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(54) Title: METHOD FOR TRANSMITTING DIGITAL USEFUL DATA

(54) Bezeichnung: VERFAHREN ZUR ÜBERTRAGUNG VON DIGITALEN NUTZDATEN

(57) Abstract

The invention concerns a method for transmitting digital useful data from a first mobile station (1) to a second mobile station (5), wherein computational complications are reduced and data losses prevented. The useful data is coded by the first mobile station (1) in a first phase for transmission in a first telecommunication network (10), preferably using source coding, and then coded in a second phase, preferably using channel coding. The data coded in the first and second phases is then transmitted to an intermediate station (15) in the form of a first bit stream via a transmission channel of the first telecommunication network (10), especially via at least a third telecommunication network. The useful data of the first bit stream is decoded, preferably channel decoded, by the intermediate station (15) in the second phase. The useful data is then coded, preferably channel coded, for transmission in the second telecommunication network (20) in the second phase. The useful data is transmitted via a transmission channel of the second telecommunication network (20) to the second mobile station (5). Signaling data is transmitted by the intermediate station (15) to the second mobile station (5), wherein the signaling data contains information on the type of coding of the useful data in the first phase. The useful data is decoded, preferably channel decoded, by the second mobile station (5) in the second phase. The useful data decoded by the second mobile station (5) in the second phase is decoded, preferably source decoded, by the second mobile station (5) in the first phase depending on the signaling data received by the second mobile station (5).

